| Ind | lex of | Claims | i |
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09/489,286

Applicant(s)/Patent under Reexamination
CATHEY ET AL.

Examiner

Art Unit

Ashok Patel

2879

| <b>∠</b> | Rejected |
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|          | A 44     |

- (Through numeral)
Cancelled

Restricted

| N | Non-Elected  |
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| ı | Interference |

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|              |                                                                                                                | -            |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
|--------------|----------------------------------------------------------------------------------------------------------------|--------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|----------------|-----------------|--|
| Cla          | im                                                                                                             | Date         |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
| Final        | Original                                                                                                       | 8/20/07      |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
|              | 1                                                                                                              |              |          | -                                                | <del> </del>                                     |                                                  | -            | -                                                |                | $\vdash$        |  |
|              | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8                                                                           | <del> </del> |          | <del>                                     </del> | ╁                                                | $\vdash$                                         | -            |                                                  |                | Н               |  |
|              | 3                                                                                                              |              |          |                                                  |                                                  | $\vdash$                                         |              |                                                  |                | П               |  |
|              | 4                                                                                                              |              |          | <u> </u>                                         | $\vdash$                                         | Π                                                |              |                                                  |                |                 |  |
|              | 5                                                                                                              |              |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
|              | 6                                                                                                              |              |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
|              | 7                                                                                                              |              |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
| ļ            | 8                                                                                                              | _            |          |                                                  | <u> </u>                                         | <u> </u>                                         |              |                                                  |                |                 |  |
|              | 9                                                                                                              | _            | <u> </u> | ļ                                                |                                                  |                                                  |              | L                                                | L              |                 |  |
|              | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28 | <u> </u>     | <u> </u> | <u> </u>                                         | <u> </u>                                         | ļ                                                |              | <u> </u>                                         | _              | Ш               |  |
|              | 11                                                                                                             | <u> </u>     |          |                                                  | <u> </u>                                         |                                                  |              |                                                  |                | _               |  |
| ļ            | 12                                                                                                             |              | <u> </u> | <u> </u>                                         |                                                  | <del> </del> —                                   | <u> </u>     |                                                  | <u> </u>       | -               |  |
|              | 14                                                                                                             |              |          | -                                                | ├                                                | -                                                |              |                                                  |                | -               |  |
| <del> </del> | 15                                                                                                             |              | -        | -                                                | ├                                                | ├—                                               |              | ├                                                | $\vdash$       | Н               |  |
| ļ            | 16                                                                                                             | -            | -        | $\vdash$                                         |                                                  | <del> </del>                                     | _            | ⊢                                                |                |                 |  |
| <b></b>      | 17                                                                                                             |              | -        | ├─                                               | ⊢                                                | -                                                |              | <del> </del>                                     |                | H               |  |
|              | 18                                                                                                             | <del> </del> | -        |                                                  | <del>                                     </del> | ┝一                                               |              |                                                  |                |                 |  |
|              | 19                                                                                                             | <del> </del> |          |                                                  | _                                                | $\vdash$                                         | _            |                                                  |                | -               |  |
|              | 20                                                                                                             |              |          | $\vdash$                                         | <del> </del>                                     |                                                  |              |                                                  | _              | Н               |  |
|              | 21                                                                                                             | _            | _        |                                                  |                                                  |                                                  |              |                                                  |                | М               |  |
|              | 22                                                                                                             | _            |          |                                                  |                                                  |                                                  |              | <del>                                     </del> | _              |                 |  |
|              | 23                                                                                                             |              |          |                                                  |                                                  |                                                  |              | <u> </u>                                         |                | П               |  |
|              | 24                                                                                                             |              |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
|              | 25                                                                                                             |              |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
|              | 26                                                                                                             | _            | _        | _                                                | _                                                |                                                  |              |                                                  |                |                 |  |
| <u> </u>     | 27                                                                                                             |              | <u> </u> | <u> </u>                                         |                                                  | _                                                |              | L                                                | _              | Ш               |  |
|              | 28                                                                                                             | <u></u>      | <u>.</u> | <u> </u>                                         |                                                  | <u> </u>                                         |              | ļ                                                |                |                 |  |
| <u> </u>     | 29                                                                                                             | N            | _        | <del> </del>                                     | <b> </b> -                                       |                                                  |              | Ļ                                                |                |                 |  |
| ļ            | 30<br>31<br>32                                                                                                 | N            | -        |                                                  | <u> </u>                                         |                                                  | ļ            | ļ.,                                              |                | $\vdash$        |  |
|              | 31                                                                                                             | N            | _        |                                                  |                                                  |                                                  |              | -                                                | _              | Н               |  |
|              | 32                                                                                                             | R            |          | <del> </del>                                     |                                                  |                                                  | -            | ├                                                | <u> </u>       | Н               |  |
|              | 33<br>34                                                                                                       | R            |          | ┢                                                |                                                  |                                                  |              |                                                  |                | Н               |  |
|              | 35                                                                                                             | R            |          |                                                  | -                                                | $\vdash$                                         | <del> </del> | ┢                                                |                | $\vdash$        |  |
|              | 36                                                                                                             | R            |          |                                                  | <del>  -</del>                                   | <del>                                     </del> |              | $\vdash$                                         |                |                 |  |
|              | 36<br>37                                                                                                       | R            |          | <u> </u>                                         | Г                                                |                                                  |              | _                                                |                |                 |  |
|              | 38<br>39                                                                                                       | R<br>R       |          |                                                  | <u> </u>                                         |                                                  |              |                                                  |                |                 |  |
|              | 39                                                                                                             | R            |          |                                                  |                                                  |                                                  |              |                                                  |                |                 |  |
|              | 40                                                                                                             | N            |          | L                                                | <u> </u>                                         | <u> </u>                                         | L            | <u> </u>                                         |                |                 |  |
|              | 41                                                                                                             | N            | <u> </u> | <u> </u>                                         | L                                                | <u> </u>                                         |              | ļ                                                | ļ              |                 |  |
| ļ            | 42                                                                                                             | N            | <u> </u> | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         | <u> </u>     | <u> </u>                                         | <u> </u>       |                 |  |
|              | 43                                                                                                             | N            | <u> </u> | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         | <u> </u>     | <u> </u>                                         |                | Ш               |  |
|              | 44                                                                                                             | N            |          | <del> </del>                                     | <u> </u>                                         | <u> </u>                                         | <b> -</b>    |                                                  | <u> </u>       | $\mid - \mid$   |  |
|              | 45<br>46                                                                                                       | N            |          | ├-                                               | ├                                                |                                                  |              |                                                  | <b> </b> -     |                 |  |
|              | 47                                                                                                             | N            | -        | ├                                                | <del> </del>                                     |                                                  |              |                                                  | <del> </del> - |                 |  |
|              | 48                                                                                                             | N            | —        | ├-                                               | <del> </del>                                     |                                                  |              |                                                  |                | $\vdash \vdash$ |  |
|              | 49                                                                                                             | "            | —        | ├                                                |                                                  | <del> </del>                                     |              | ╁─                                               | $\vdash$       | $\vdash$        |  |
|              | 50                                                                                                             | $\vdash$     | ┢        | <del> </del>                                     |                                                  |                                                  |              |                                                  | <del> </del>   | $\vdash \vdash$ |  |
| L            |                                                                                                                |              | Щ.       |                                                  |                                                  |                                                  |              | 1                                                | <b></b>        |                 |  |

| Cla                                              | aim      | Date                                             |          |                                                  |                                                  |                                                  |             |              |              |              |
|--------------------------------------------------|----------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------|--------------|--------------|--------------|
| Final                                            | Original |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |
|                                                  | 1        |                                                  |          |                                                  |                                                  | <u> </u>                                         |             |              |              |              |
|                                                  | 51       | ļ                                                |          | ļ                                                |                                                  | <u> </u>                                         | <u> </u>    |              | ļ            | ļ            |
|                                                  | 52<br>53 | ļ                                                |          |                                                  |                                                  |                                                  | ļ           |              | <u> </u>     |              |
|                                                  | 53       | <u> </u>                                         |          |                                                  |                                                  |                                                  | ļ           |              | ļ            | ļ            |
| <u> </u>                                         | 54       | ļ                                                |          | <u> </u> _                                       | _                                                | <u> </u>                                         | <u> </u>    |              | <u> </u> _   | <u> </u>     |
|                                                  | 55<br>56 | -                                                |          | <u> </u>                                         |                                                  |                                                  |             |              |              |              |
|                                                  | 57       | ├                                                | _        | $\vdash$                                         |                                                  |                                                  |             |              | <u> </u>     | <u> </u>     |
|                                                  | 58       |                                                  | -        |                                                  | -                                                |                                                  | -           |              | <b></b> -    | <b></b>      |
|                                                  | 59       | -                                                |          | $\vdash$                                         |                                                  | -                                                |             |              |              |              |
|                                                  | 60       | -                                                |          | -                                                |                                                  | -                                                |             |              | ├—           |              |
|                                                  | 61       |                                                  |          | -                                                | -                                                | -                                                | $\vdash$    | $\vdash$     |              | -            |
| <u> </u>                                         | 61<br>62 |                                                  |          |                                                  | <del> </del>                                     | $\vdash$                                         | -           | $\vdash$     | <del> </del> | -            |
| <b> </b>                                         | 63       | H                                                | <u> </u> | H                                                | <del>                                     </del> | $\vdash$                                         |             | <del> </del> |              | -            |
|                                                  | 64       | <del>                                     </del> | -        | _                                                |                                                  | <del>                                     </del> |             |              | $\vdash$     | <u> </u>     |
| ·                                                | 65       | T                                                |          |                                                  |                                                  | -                                                |             |              |              |              |
|                                                  | 66       |                                                  |          |                                                  |                                                  |                                                  | -           |              | _            |              |
|                                                  | 67       | <u> </u>                                         |          |                                                  |                                                  | $\Box$                                           |             |              |              |              |
|                                                  | 68       |                                                  |          |                                                  |                                                  |                                                  |             |              | _            |              |
|                                                  | 69       |                                                  |          |                                                  |                                                  | _                                                |             |              |              |              |
|                                                  | 70       |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |
|                                                  | 71       |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |
|                                                  | 72<br>73 |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |
| <u> </u>                                         | 73       | _                                                |          | <u>L</u>                                         | L.                                               |                                                  |             |              | <u>L</u>     |              |
|                                                  | 74       | <u> </u>                                         |          |                                                  | _                                                | <u> </u>                                         |             |              | ļ            |              |
| ļ                                                | 75<br>76 | Ŀ                                                | _        | <u> </u>                                         |                                                  |                                                  | ļ           |              | ļ            |              |
|                                                  | /6       | <u> </u>                                         | _        | <u> </u>                                         |                                                  |                                                  |             |              | ļ            |              |
|                                                  | 77       | <u> </u>                                         |          |                                                  | _                                                |                                                  | <u> </u>    |              | ļ            |              |
|                                                  | 78<br>79 | <u> </u>                                         |          | <u> </u>                                         | -                                                | <u> </u> -                                       | ļ           |              | <u> </u>     | ļ            |
|                                                  | 80       |                                                  |          | ├                                                | -                                                | $\vdash$                                         |             |              | <del> </del> |              |
|                                                  | 81       |                                                  |          |                                                  | -                                                |                                                  |             |              |              |              |
| <del> </del>                                     | 82       | <del> </del>                                     | ├        |                                                  |                                                  | $\vdash$                                         | $\vdash$    |              | $\vdash$     | $\vdash$     |
| <u> </u>                                         | 83       | <del> </del>                                     |          | -                                                |                                                  | -                                                | $\vdash$    |              | <del> </del> | -            |
| <u> </u>                                         | 84       | <del> </del>                                     |          |                                                  | $\vdash$                                         | -                                                | -           |              | $\vdash$     | $\vdash$     |
| <b></b>                                          | 85       | <del>                                     </del> |          | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | $\vdash$    | _            | $\vdash$     | -            |
|                                                  | 86       | <del>                                     </del> |          | <del>                                     </del> | <b> </b>                                         | _                                                | <del></del> |              | Ι            | <u> </u>     |
|                                                  | 87       | T                                                |          |                                                  |                                                  |                                                  |             | ·            |              | <u> </u>     |
|                                                  | 88       |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |
|                                                  | 89       |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |
|                                                  | 90       |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |
|                                                  | 91       |                                                  |          | $\Box$                                           | L_                                               |                                                  | <u> </u>    |              | L            |              |
|                                                  | 92       | ļ                                                |          | _                                                |                                                  | _                                                | L_          |              | L            | _            |
| <u> </u>                                         | 93       | <u>L</u>                                         | L        | <u> </u>                                         |                                                  | <u> </u>                                         | ļ           | ļ            | <u> </u>     | <u> </u>     |
| <u> </u>                                         | 94       | _                                                |          | <b> </b>                                         | <u> </u>                                         | <u> </u>                                         | ļ           |              |              | <u> </u>     |
|                                                  | 95       |                                                  | ļ        | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         | ļ           |              |              | <u> </u>     |
|                                                  | 96       |                                                  | <u> </u> |                                                  | <u> </u>                                         | <u> </u>                                         |             | <u> </u>     | <u> </u>     | <u> </u>     |
| <b> </b>                                         | 97       |                                                  | <u> </u> | ├                                                | <u> </u>                                         | ├—                                               | <u> </u>    | <b></b>      | <u> </u>     |              |
| <del>                                     </del> | 98       | $\vdash$                                         | <u> </u> | $\vdash$                                         | <u> </u>                                         | <del> </del>                                     |             | <del> </del> |              | <del> </del> |
|                                                  | . 44     |                                                  |          |                                                  |                                                  |                                                  |             |              |              |              |

| Cla           | aim                              | Date     |                                                  |                                                  |                                                  |          |              |                    |          |          |
|---------------|----------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------|--------------|--------------------|----------|----------|
|               |                                  |          | Γ                                                | Ι                                                | Γ                                                |          |              |                    |          |          |
| Final         | Original                         |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 101<br>102                       |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
| <u> </u>      | 103                              |          |                                                  |                                                  |                                                  |          | <del> </del> |                    | _        |          |
| <b>-</b>      | 104                              | -        |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 105                              |          |                                                  |                                                  |                                                  | -        | -            |                    | <u> </u> |          |
|               | 105<br>106                       |          | _                                                |                                                  |                                                  |          |              |                    |          |          |
|               | 107                              |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 108                              |          | <u> </u>                                         |                                                  | _                                                |          |              |                    |          |          |
| L             | 109                              |          | <u> </u>                                         | ļ                                                | ļ                                                |          | L            |                    | <u> </u> |          |
| <u> </u>      | 110                              |          |                                                  |                                                  |                                                  |          | <u> </u>     |                    | _        |          |
| <del></del> - | 111                              | -        | _                                                | <del>                                     </del> | -                                                | -        |              |                    |          | _        |
| <del> </del>  | 111<br>112<br>113                | Ė        | -                                                | $\vdash$                                         | $\vdash$                                         |          | -            | -                  | $\vdash$ |          |
|               | 114                              | $\vdash$ | $\vdash$                                         | <u> </u>                                         |                                                  |          | -            |                    | -        |          |
|               | 114                              |          | <del>                                     </del> | <u> </u>                                         | <del>                                     </del> |          |              | -                  |          |          |
|               | 116                              |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 117                              |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 118<br>119                       |          |                                                  |                                                  | L                                                |          |              |                    | <u>L</u> |          |
| ļ             | 119                              |          |                                                  |                                                  | ļ                                                | ļ        |              |                    |          |          |
|               | 120                              |          |                                                  |                                                  |                                                  |          |              |                    |          | _        |
|               | 121                              | <u> </u> | -                                                |                                                  |                                                  |          | <u> </u>     |                    |          |          |
| <b></b>       | 120<br>-121<br>122<br>123<br>124 | -        | -                                                |                                                  | -                                                |          |              | <del> </del>       | ├─       | _        |
| <u> </u>      | 124                              |          | <del> </del>                                     |                                                  |                                                  |          | <del> </del> |                    | -        | -        |
| <b></b>       | 125                              | $\vdash$ |                                                  |                                                  | <del> </del>                                     |          | _            |                    |          |          |
|               | 126                              |          |                                                  |                                                  | _                                                |          |              |                    |          |          |
|               | 125<br>126<br>127                |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 128<br>129                       | <u> </u> |                                                  |                                                  |                                                  |          |              | <u> </u>           |          |          |
|               | 129                              | <b> </b> | ļ                                                |                                                  |                                                  |          |              | ļ                  |          | <u> </u> |
|               | 130                              |          | _                                                |                                                  | <u> </u>                                         |          | _            | ļ                  |          | _        |
|               | 137                              |          |                                                  |                                                  |                                                  |          |              | ļi                 |          |          |
|               | 131<br>132<br>133                | -        |                                                  | $\vdash$                                         | _                                                |          |              |                    |          |          |
|               | 134                              |          |                                                  | -                                                | -                                                | -        | $\vdash$     | -                  |          |          |
|               | 134<br>135                       |          | $\vdash$                                         | _                                                |                                                  |          | $\vdash$     | $\vdash$           |          |          |
|               | 136                              |          |                                                  | T,                                               |                                                  |          |              |                    |          |          |
|               | 137                              |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 138                              |          | ļ                                                |                                                  |                                                  |          | _            | $oxedsymbol{oxed}$ |          |          |
| ļ             | 139                              |          | <u> </u>                                         | <u> </u>                                         | _                                                | _        | <u> </u>     | ļ                  |          |          |
| ļ             | 140<br>141                       |          |                                                  | <u> </u>                                         |                                                  | <u> </u> |              | <del> </del>       |          |          |
| <u> </u>      | 141                              |          |                                                  |                                                  | -                                                | -        | -            | -                  |          |          |
|               | 143                              | $\vdash$ | ├─                                               | <del> </del>                                     | -                                                | -        |              | -                  | -        | H        |
|               | 144                              | -        |                                                  |                                                  | -                                                | -        |              |                    |          |          |
|               | 145                              |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 146                              |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 147                              |          |                                                  |                                                  |                                                  |          |              |                    |          |          |
|               | 148                              |          | <u></u>                                          | <u> </u>                                         | <u> </u>                                         | ļ        | <u> </u>     | ļ                  | _        |          |
|               | 149                              | ļ        | <u> </u>                                         |                                                  | <u> </u>                                         | -        |              | _                  |          | _        |
| L             | 150                              | L        | L                                                | <u> </u>                                         |                                                  | L        |              |                    | L        |          |